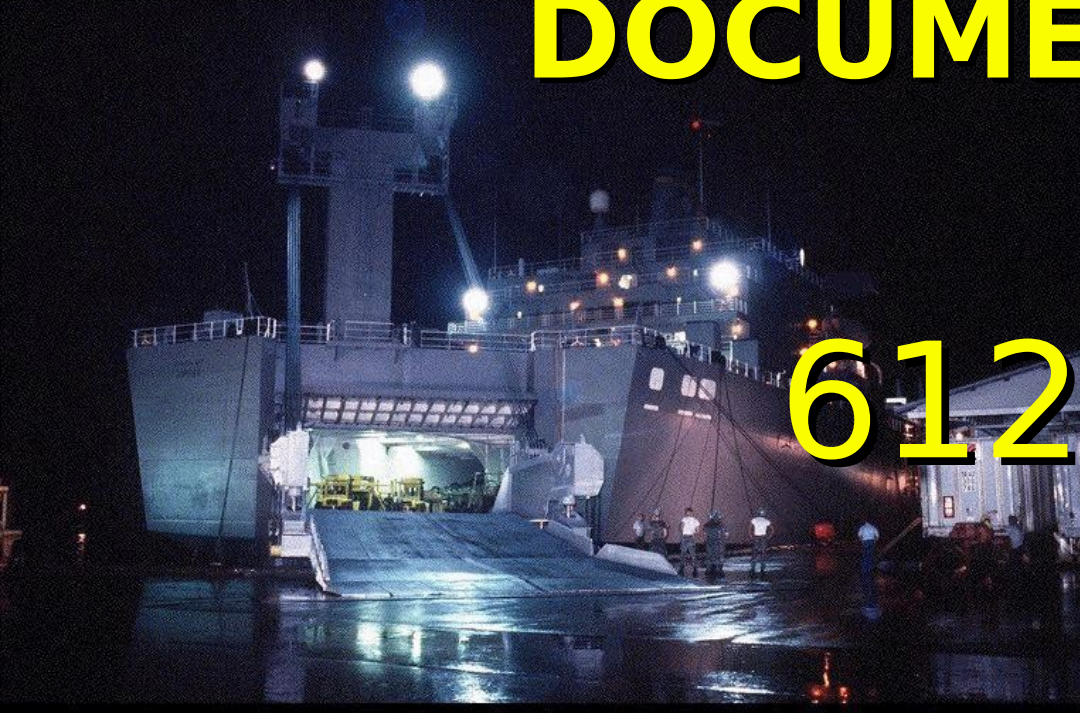




UNIT MOVEMENT DATA AND DOCUMENTATION



612-120

References

FORSCOM/ARNG Reg 55-1: *Unit Movement Planning* (Chapter 1)

FORSCOM/ARNG Reg 55-2: *Unit Movement Data Reporting* (Chapters 2 and 4)

TB 55-46-1: *Standard Characteristics for Transportability of Military Vehicles and Other Outsized/Overweight Equipment*

Scope of Lesson

- **Unit Movement Data Information Systems and Reports**
- **TB 55-46-1**



Unit Movement Data Defined

“Unit Movement Data (UMD) is a list of equipment and supplies the unit plans to deploy to accomplish its mission. It includes the transportability data necessary to plan the move.”

Ref: FORSCOM/ARNG REG 55-1 pg.5

UMD - General

- UMD - The information of record for planning & executing movement of Army
- ~~Army~~ Deployable units (Active Component, Army National Guard and U.S. Army Reserve) are responsible for updating UMD & ensuring data is maintained accurately (using the Transportation Coordinator Automated Command and Control Information System [TC-ACCIS]) & updates
- ~~Supporting Installations~~ Mobilization Stations support units for UMD update and reporting

UMD Information Systems

TC-ACCIS (Transportation Coordinator Automated Command and Control Information System)

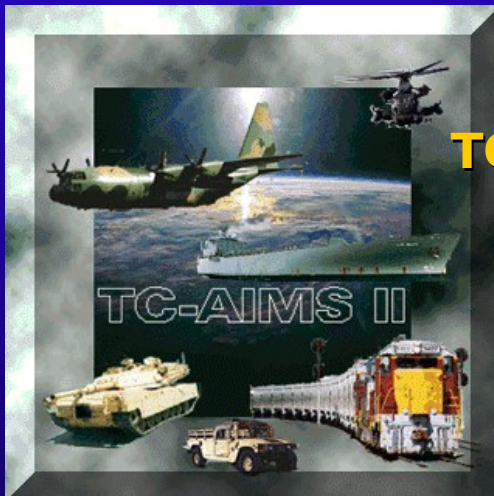
COMPASS (Computerized Movement Planning and Status System)

JOPES (Joint Operational Planning and Execution System)

GCCS (Global Command and Control System)

TC-AIMS II (Transportation Coordinator Automated Information for Management System Two)

JFRG II (Joint Force Requirements Generator)



TC-ACCIS

- Transportation Coordinator Automated Command & Control Information System
- Automated system used by units and installations for updating & maintaining UMD



Computerized Movement Planning and Status System (COMPASS)

- FORSCOM's information system & database
- Provides accurate & timely UMD to DOD, JCS, HQDA, Army installations & units
- Database supports planning & execution
- TC-ACCIS is the primary source of UMD submission into COMPASS



TC-ACCIS Information Flow



UMC / ITO MACOM(FORSCOM)

JCS



TC-ACCIS

COMPASS

JOPES

UNCLASSIFIED

SECRET

UMD Update & Maintenance Requirements

- FORSCOM requirements dictate that UMD must be current & accurate at all times
- FORSCOM requires UMD to be validated at least annually by all units & updated whenever a *significant change* in transportation requirements occurs

Significant Transportation

Requirement Change

- Significant transportation change: Any increase or decrease in unit movement requirements that results in:

Addition or subtraction of one or more rail cars, semi-trailers, trucks, passenger conveyances (buses)

Requires the allocation of more (or less) aircraft or ship deck space

No Change Reports

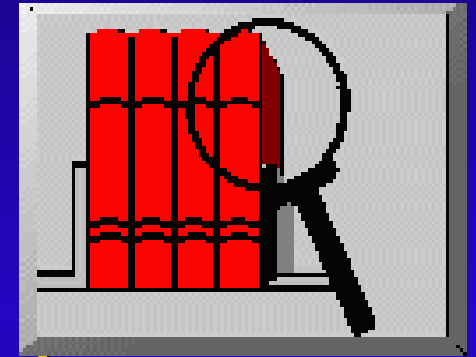
- A “No Change” report must be submitted by units with no changes to report for the update period
- The UMC processes the “No Change” report with other units’ updates

Automated Unit Equipment List

- AUEL - Most commonly used UMD report
- Contains detail & summary listing of unit's UMD
 - Detail listing: lists individual pieces of unit equipment and provides their dimensional characteristics, mode of transportation to the POE and square footage
 - Summary listing: rolls up the detail information by mode of transportation, tonnage/vehicle square feet and total movement requirements

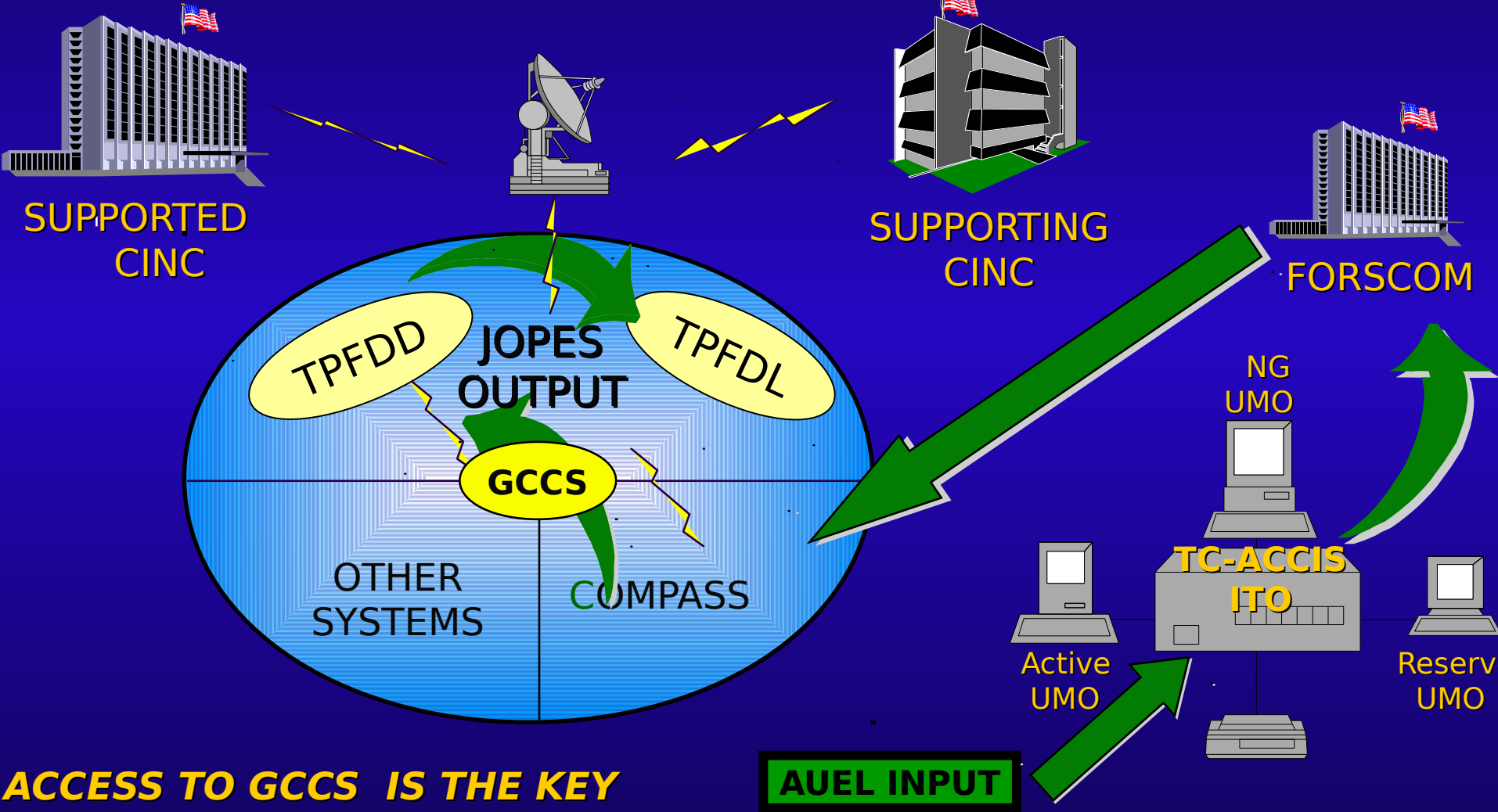
FORSCOM Reg 55-2, Data Reference Tables

- Reference:
FORSCOM Reg. 55-2,
Chapter 4
- Data Reference Tables for Detail &
Summary AUEL reports (Figures 4-1 and 4-3)
- Explains key data elements (Figures 4-2 and 4-4)





AUEL Data Flow



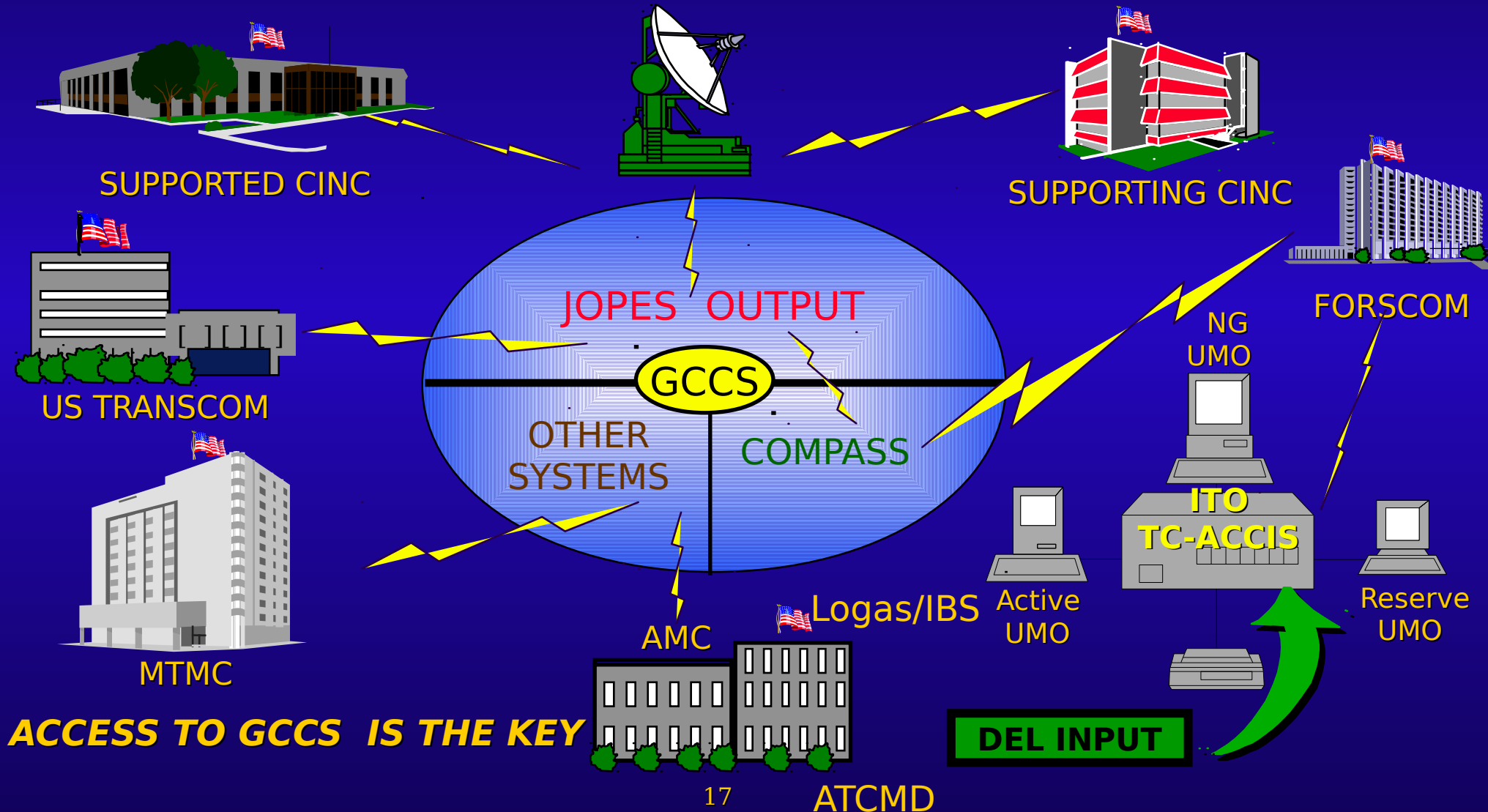
Deployment Equipment List (DEL)

- DEL - An AUDEL tailored to reflect the actual equipment being deployed for a specific operation/exercise
- DEL must be developed to show actual movement requirements





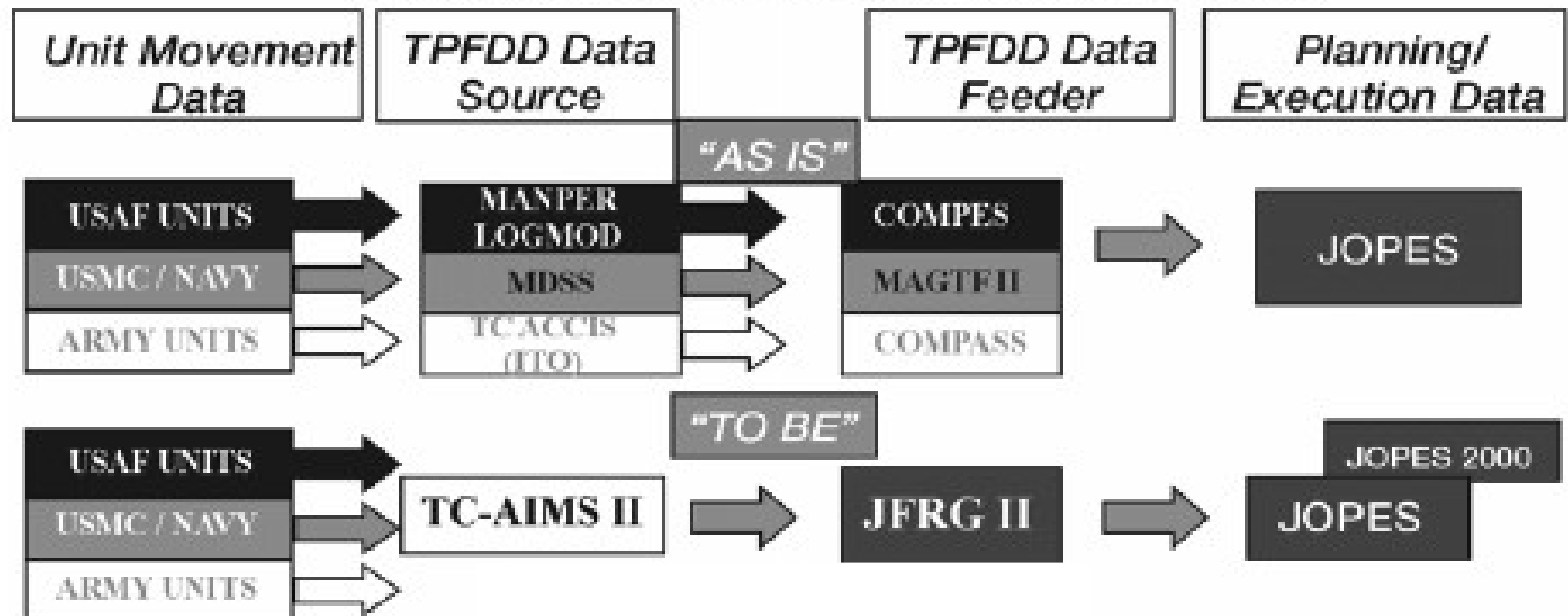
DEL Data Flow



Joint Deployment Information Systems Improvement

Leveraging Current Capabilities

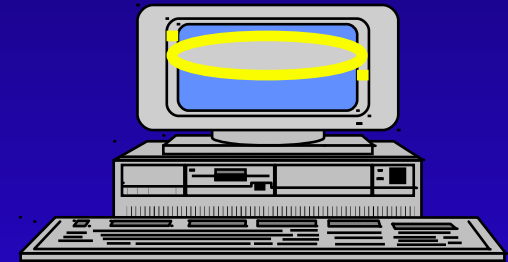
Preparing for Future Technological Advances



TC-ACCIS/TC-AIMS II Terminology

TC-ACCIS

TC-AIMS II



AUEL
(OEL)

Organizational Equipment List

DEL

Unit Deployment List (UDL)

FORSCOM Reg 55-2

Tables 5-1 to 5-6

- Tables 5-1 to 5-6 (pages 49-54)
 - Provide codes extracted from MILSTAMP manual
 - Codes include: Water Commodity Code (WCC); Type Cargo Code (TCC); Special Handling Code (SHC); Mode to POE Code (MPE); Type Pack Code (TPC), and Type Equipment Code (TE)
 - Codes used in AUDEL/DEL reports

MILSTAMP Codes

- Commodity Code
 - Positions one through three - Water Commodity Code (WCC)
 - Position four - Type Cargo Code (TCC)
 - Position five - Special Handling Code (SHC)

UIC: WFSPAA

TYPE DATA: D

UNIT NAME: 3:16 TC CO CARGO TRANSFER

STATION: FORT STORY

STATE: VA

SHIPMENT UNIT				DIMENSIONS				PLANNED				ACTUAL				TP				T S M WA			
NUMBER	ECH/ULN	LIN-INDEX	LENGTH	WIDTH	HEIGHT	SQFT	CUBE FT	ITEM WT. IN LBS.	LOADED WEIGHT	LOADED WEIGHT		TP	PK	WCC	C	C	E	ER	CGO CAT	S-TON	M-TON		
D0073	00	W76816 18	184.0	105.0	94.0	135	1051	42169	42169	42169		VE	885	Z	9	1			A2DC	21.1	26		
EQUIPMENT DEC: TRACTOR FTRAC LS DED				MODEL: D7F W/ROPS				BUMPER NUMBER: C 10				SERIAL NUMBER: 3332											
VEHICLE MATCH \$UN:				BUMPER NUMBER:																			
D0074	00	W76816 18	184.0	105.0	94.0	135	1051																
EQUIPMENT DEC: TRACTOR FTRAC LS DED				MODEL: D				BUMPER NUMBER:															
VEHICLE MATCH \$UN:				BUMPER NUMBER:																			
SHIPMENT UNIT																							
NUMBER																							
D0073																							
EQUIPMENT DEC: TRACTOR FTRAC LS																							
DED																							

SHIPMENT

UNIT

NUMBER

ECH/ULN

LIN-INDEX

D0073

00

W76816 18

EQUIPMENT DEC: TRACTOR FTRAC LS

DED

TP

PK

VE

WCC

885

T

C

C

Z

S

H

C

9

M

P

E

1

VEHICLE MATCH \$UN:										BUMPER NUMBER: -802A }										BUMPER NUMBER: DG 1										SERIAL NUMBER: 3338									
F0005	00	G74711	01	62.0	32.0	37.0	14	43	1250	1250	1250	PC	700	Z	9	1	J	3BA	1	1																			
EQUIPMENT DEC: GEN SET DED SKID MTD										MODEL: MEP-803A										BUMPER NUMBER: AG 2										SERIAL NUMBER: 3339									
VEHICLE MATCH \$UN:										BUMPER NUMBER: }																													
F0006	00	G74711	01	62.0	32.0	37.0	14	43	1250	1250	1250	PC	700	Z	9	1	J	3BA	1	1																			
EQUIPMENT DEC: GEN SET DED SKID MTD										MODEL: MEP-803A										BUMPER NUMBER: BG 2										SERIAL NUMBER: 4144									
VEHICLE MATCH \$UN:										BUMPER NUMBER: }																													
F0007	00	G74711	01	62.0	32.0	37.0	14	43	1250	1250	1250	PC	700	Z	9	1	J	3BA	1	1																			
EQUIPMENT DEC: GEN SET DED SKID MTD										MODEL: MEP-803A										BUMPER NUMBER: CG 2										SERIAL NUMBER: 4244									
VEHICLE MATCH \$UN:										BUMPER NUMBER: }																													

MILSTAMP Codes (Cont)

- Table 5-6: Type Equipment Codes (TE)
 - Identifies the type of equipment being moved
 - Example: Code “3” indicates ‘Vehicles, wheeled (self propelled), 2-1/2 ton or less’
 - Example: “M” indicates ‘Class A explosives’
 - Example: “C” indicates ‘Vehicle, tracked or half tracked except tanks and self-propelled artillery’ - code for tractor from the AUEL

MILSTAMP Codes (Cont)

TRK CGO D/S 2.5 Ton with Flammable Liquids

<u>COMM CODE</u>			<u>TPC</u>	<u>MPE</u>
867	R	4	VO	← 1 Convoy to SPOE

↑
WCC - Wheeled vehicles, self-propelled, 2.5 ton capacity or less

↑
TCC - Flammable Liquids, UN Class 3 (not Class B)

↑
SHC- Hazardous and Sensitive Cargo

↑
Fully operational self-propelled vehicle

SUMMARY



On
Learnin
g



On Learnin g

Question 1: What automated information system does the UMO use to create and maintain UMD?

Answer 1: TC-ACCIS is the unit level system used to create and update UMD



On Learnin g

Question 2: What UMD list is prepared by the unit to reflect the actual equipment being deployed for a specific operation?

Answer 2: The Deployment Equipment List (DEL) is an AUDEL that has been tailored to reflect the actual equipment being deployed for a specific operation



On Learnin g

Question 3: What document identifies UMD reporting requirements for CONUS Active Component and Reserve Component Units?

Answer 3: FORSCOM Regulation 55-2, *Unit Movement Data Reporting* identifies UMD reporting requirements.



On Learnin g

Question 4: When is the unit's UMD required to be updated?

Answer 4: The UMD is updated annually and whenever there is a significant change in the unit's equipment or personnel that changes the unit's transportation movement requirements.

TB 55-46-1
Standard Characteristics
for Transportability of
Military Vehicles and Other
Outsized/Overweight
Equipment

TB 55-46-1

Familiarization

- Provides dimensions, weight & cube for:
 - Military vehicles
 - Vehicle-mounted equipment
 - Outsize/overweight equipment
- Organizations use data as the standard reference when developing/reporting movement requirements
- Information for planning purposes only, units must report actual dimensions & weight in their AUEL

TB 55-46-1

Familiarization

(Cont)

- Data specifically oriented to unit movement transportability/deployability considerations
- Compatible with COMPASS and JOPES
- Remember, doesn't replace actual UMD

TB 55-46-1

Familiarization

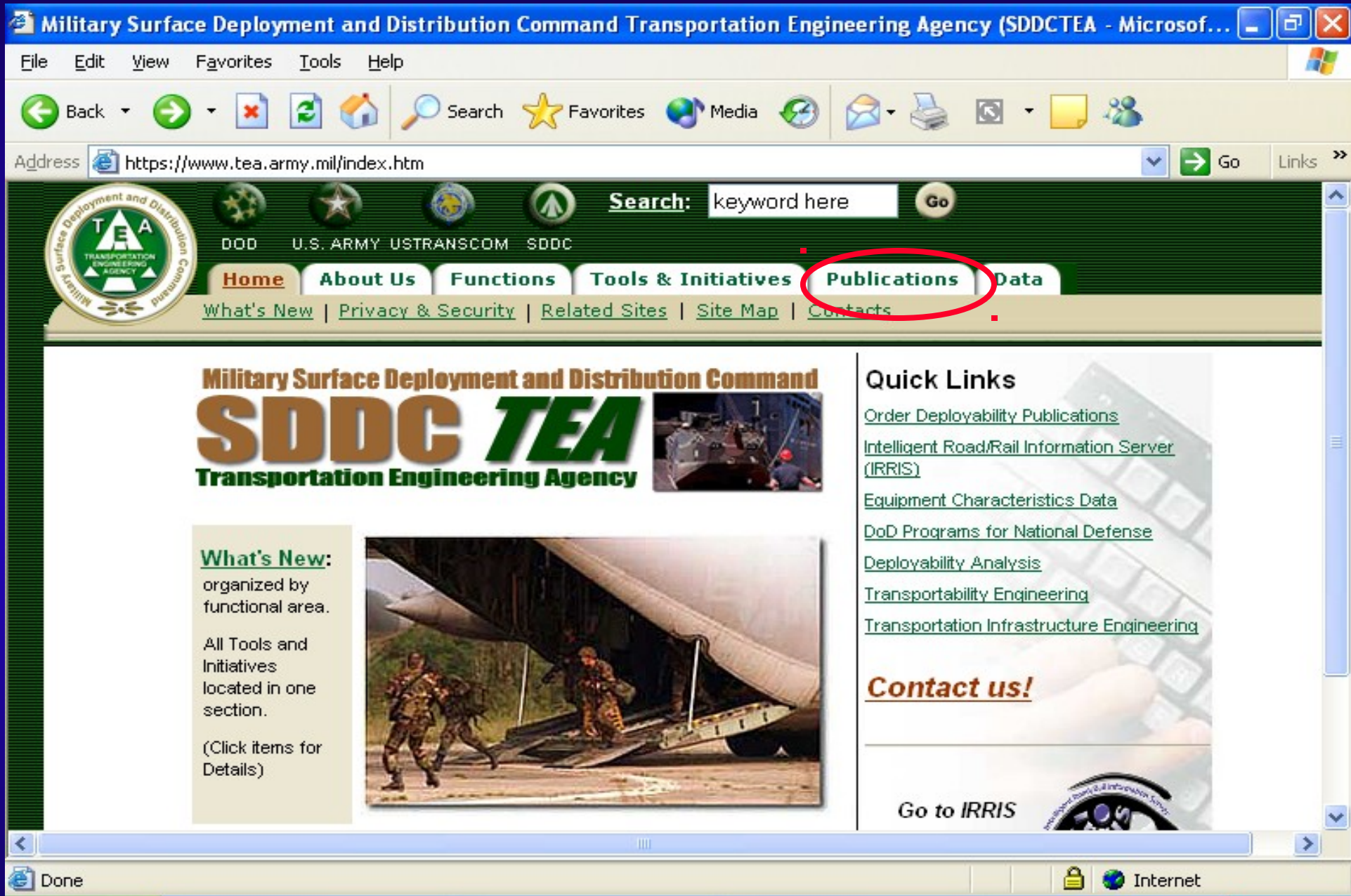
(Cont)

- TB 55-46-1 lists all military outsized/overweight equipment having dimensions and/or weight equal to or exceeding:
 - + 104 inches long + 84 inches wide
 - + 50 inches high + 5000 pounds or more
- Dimensions/weight must be equal to or greater than any one of the above criteria for a piece of equipment to be listed in the TB

TB 55-46-1

Familiarization

- Data for all military equipment, including items excluded from the hardcopy TB 55-46-1, are available online at:
https://www.tea.army.mil/pubs_res/si/tb55
(note that a password is required to access this information)
- MTMC TEA also produces a CD that contains this information



Military Surface Deployment and Distribution Command Transportation Engineering Agency (SDDCTEA - Microsof...

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- Briefings
- Brochures
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- Pamphlets, Manuals, and Directories
- Studies
 - Highway Engineering Studies
 - Port Workload Studies
 - Ports for National Defense
- Other Publications

Equipment Characteristics: TB 55-46-1



Internet

Welcome to TB 55-46-1 On-Line.



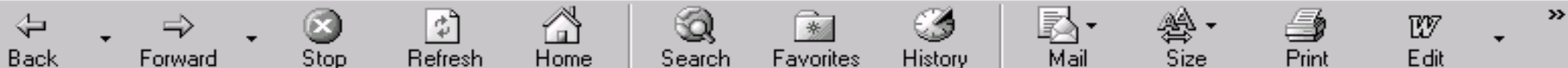
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- [TB 55-46-1 TEXT](#)
- [DEFINITIONS](#)
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- [CARGO CAT CODES](#)
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- [SHIPPING CONFIGURATIONS](#)
- [WHEELBASE DIMENSIONS](#)
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[LIN](#)

Begins with

L46979

[LIN INDEX](#)

Begins with

02

[NSN](#)

Begins with

[ITEM](#)

Begins with

[MODEL](#)

Begins with

[SHIP DESC](#)

Begins with

[EQUIP CODE](#)

Equal to

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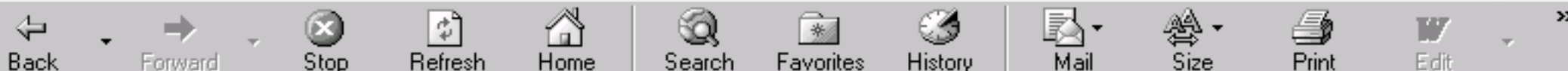
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This page last modified - 2/6/2001

The data provided on this page last updated - December 26, 2001

Questions / Comments about this page - [Keith Turner](#)

Questions / Comments about content on this page - [Darlene Smith](#) or [Jim Alexander](#)

Column Header links will open a definition page in a new window. Click **LIN** links to see all fields for the selected entry.

Lin	Lin index	Item Desc	NSN	Model	Comp Desc	Ship Desc
C12155	01	CARRIER PERS F/TRACK	2350010853792	M981		OPERATIONAL

Current page = 1 of 1

[Search Again](#)

Image

[Model](#)

M981

[Lin](#)

C12155

[Lin Index](#)

01

[Sec Lin](#)[NSN](#)

2350010853792

[Item Description](#)

CARRIER PERS F/TRACK

[Comp Desc](#)[Ship Desc](#)

OPERATIONAL

[Equip Desc](#)Tracked or Half-Tracked Vehicles except for Tanks
and Artillery[PV Code](#)

V

TB 55-46-1

Familiarization

- TB 55-46-1 contains 3 Chapters, 4 Appendixes
- Several ways to enter and retrieve data
 - If TOE LIN is known, go to Chapter 3
 - Use cross reference in Appendix A & B
 - + Appendix A crosses NSN to TOE LIN
 - + Appendix B crosses model description to TOE LIN

TB 55-46-1

Chapter 1

- Chapter one contains:

What is covered by TB

Important definitions

Data specifications

- UMD Reporting procedures using
TB

Definitions

★ Line Item Number (LIN) - A six-character alphanumeric identification assigned to a generic nomenclature to describe collectively all NSN items possessing the functional capability expressed by the LIN description

eg: X 4 0 7 9



Truck Cargo D/S 5 Ton

- M813A1
- M54A2C
- M54A1C
- M923
- M923A1
- M923A2

Definitions (Cont)

- National Stock Number (NSN) - The NSN consists of 13-digit number assigned by the Defense Logistics Services Center:
- eg: 1055010920596



MLRS

Definitions (Cont)

- Set: A group of major end-items
 - The entire set is assigned a LIN. This is the 'primary' LIN for the set
 - Each major end-item within the set is referred to as a secondary item and is identified by its own "secondary" LIN and NSN

SET

TOE LIN (INDEX) NO	NATL STOCK NO. (SET) (TOE LIN)	C O M P	V E H I C L E	T Y P E E Q U I P	LIN DESCRIPTION (MODEL) COMPO DESCRIPTION
R93035	(SET)				
V 03	Remarks 5820011483976 (G42170)		R	U 3	RADIO TERMINAL SET AN/TRC-170V3 AN/TRC-170V3
V 01	6115013199032 (T07679)		R	6	GEN SET DED TRL MTD PU-798
V 36	230013469137		R	3	TRK UTIL. HVY HMMWV M1097 .

Definitions (Cont)

- **Vehicle:** Term including trucks, trailers, semi-trailers, amphibious & tracked vehicles, tanks, artillery (self-propelled & towed), floating craft (self-propelled & towed), rail cars, locomotives, aircraft (including helicopters) & wheel or track-mounted equipment



Chapter 2-3: Data

• Dimensions: Specifications

- Length: Horizontal dimension measured from end-to-end. Rounded up to next inch
- Width: Horizontal dimension measured from side-to-side. Rounded up to next inch
- Height: Vertical dimension measured from ground level to the highest reference point. Rounded up to the next inch
- Surface Vehicle Weight (less heavy armor vehicles/tanks): Includes all on-equipment material (OEM), such as basic issue items (BII), and three-quarters of a tank of fuel. It does not include crew weight, baggage, or payload.

Chapter 2-3

Data Specifications (cont)

- Dimensions (cont):
 - Cube: The volume of space occupied by the item
 - FORMULA:
$$(L \times W \times H) / 1,728 = \text{cubic feet inches}$$
 - Rounded up to the next cubic foot

Chapter 2

Tables 2-1 to 2-4

- Tables 2-1 to 2-6 contain information on the transportability of equipment by aircraft
- Tables 2-1 & 2-2 contain information on the cargo constraints of various aircraft (maximum cargo weight, weight, etc)
- Table 2-3 provides guidance on the number and dimensions of 463L pallets that can be carried on CRAF aircraft
- Table 2-4 details aircraft Allowable Cabin Loads (ACL)

Chapter 2

Tables 2-5 and 2-6

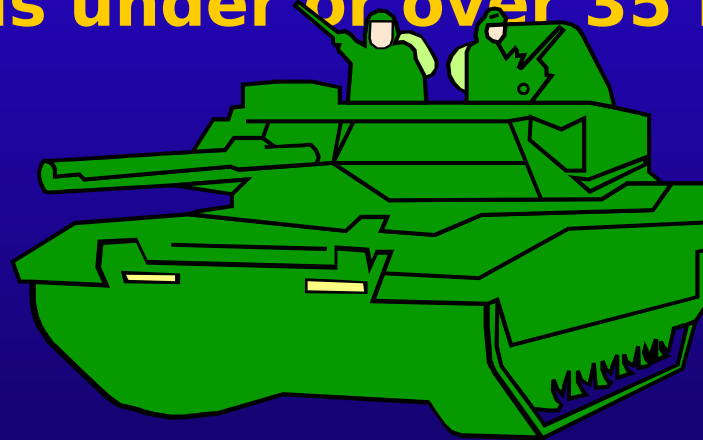
- **Table 2-5: Cargo Category Codes (CCC)**
 - **Position 1: Identifies the type of equipment**
 - 'A' = Vehicles (wheeled and tracked), self propelled or non-self-propelled and are not suitable for road marching on overland deployment legs
 - 'R' = Wheeled vehicles (self propelled or non-self propelled), suitable for road march on overland deployment legs and capable of convoy speeds up to 40 mph.
 - **Position 2: Indicates if an item of equipment is non-air transportable, outsized, oversized or bulk**
 - **Position 3: Indicates whether an item of equipment can or cannot be containerized**

Chapter 2

Tables 2-5 and 2-6

(Cont)

- **Table 2-6: Heavy Lift and Dimensions Codes (H)**
 - A code which identifies the weight bracket of the item (in short tons) and indicates whether it is under or over 35 feet in any dimension



Cargo Category Codes

First Position: Vehicle/Equipment Type



ABRAMS MBT

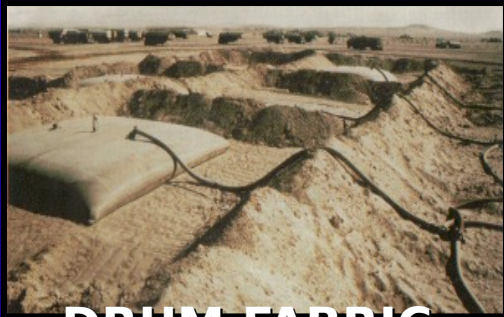


KIOWA WARRIOR



LCU 2000

A = Non-roadable vehs B = Non-self deployable C = Floating Craft
aircraft (uncrated)



**DRUM FABRIC
FUEL**



M998

D = Non-vehicular cargo M = Ammunition R = Roadable Vehicles

Cargo Category Codes

Second Position: Air Transportability

0 = Non-Air transportable



C-5

1 = Outsized Equipment



C-5



C-17



C-141



C-130

2 = Oversized Equipment



C-141

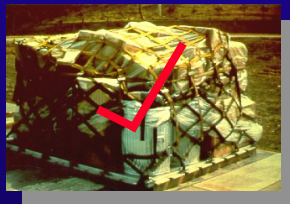


C-130



463L Pallet

3 = Bulk Equipment



463L Pallet₅₅

Cargo Category Codes

Third Position: Containerization

B = Fit in 20-foot Container



20-foot Container (MILVAN)

C = Fit in 40-foot Container but not a 20-foot container



20-foot Container (MILVAN)



40-foot Container

D = Cannot be containerized



40-foot Container

Heavy Lift and Dimension Codes

Codes A - P categorize by weight and dimensions

Codes A - G = variable weight and less than 35 feet in any dimension

Codes H - P = variable weight and more than 35 feet in any dimension



Chapter 2

Tables 2-7 to 2-15

- Tables 2-7 to 2-15 :
 - Contain dimensions & cargo-loading capacity of military general-purpose cargo trucks, dump trucks, trailers, semi-trailers, amphibious vehicles, landing craft & helicopters including:
 - + Cargo deck dimensions
 - + Loading height of cargo carrying vehicles



TABLE 2-7 CARGO DECK DIMENSIONS



Cargo Deck				Cargo Body Loading Height and Capacity					
Vehicle Type (LIN)	Length (in.)	Width (in.)	Bed Height (in.)	Under Bows (in.)	(ft ³)	Top of Side Racks (in.)	(ft ³)	Top of Steering Wheel (in.)	(ft ³)
<u>2-1/2 Ton</u> M35A1 (X40009)	147.0	88.0	52.0	60.0	443.0-w	37.0	277.0	29.0	217.0

$$\text{Cube} = \frac{\text{Length (in.)} \times \text{Width (in.)} \times \text{Height (in.)}}{1,728}$$
$$\text{Cube} = \frac{147 \times 88 \times 60}{1,728}$$

=443ft₃ (Don't forget about 'w' = cubic capacity reduced by 6.9 cubic feet for curve⁹ of bows)

Truck Bows

Bows (frame)



M35A3C (2.5 T Truck)

Truck Side Racks



Top of
Side
Racks

M1078 (2.5 T Truck)

Chapter 2

Tables 2-16 to 2-26

- Tables 2-16 to 2-25 contains wheel base information
 - Primarily used by upper level planners
 - Seldom used at unit level
- Table 2-26 is a metric conversion table

CHECK ON LEARNING



QUESTION 1

Will a piece of equipment
that is 100 inches long,
80 inches wide, 76 inches
high and weighing 2000
pounds
be found in TB 55-46-1?

, greater
inches -
therefore
within criteria for
inclusion in the
TB 55-46-1

QUESTION 2



A1DE are the Cargo Category Codes and the Heavy Lift Code for the M1 (Abrams)

- what do these codes indicate?

A = Vehicles (wheeled and tracked) not suitable for round marching

1 = Outsized Equipment (will fit in a C-5 and possibly a C-17, but not in a C-141 or a C-130)

D = Cannot be containerized

E = 51 to 60 tons and less than 35 feet in any dimension

QUESTION 3

The CCCH for a M2A2 Bradley Fighting Vehicle in operational configuration is A1DD. Can this vehicle be transported in a C130?



QUESTION 4

What is the height above ground of the cargo deck of the M923 5-ton cargo truck?



Chapter 3 -- Equipment Characteristics Data

- Contains Equipment Characteristics Data
 - Starts with detailed explanation of the information contained in each column
 - 11 columns of data
- Column One: TOE LIN --Table of Organization & Equipment Line Item Number

Chapter 3

Column 1

- Column 1:

TOE LIN Army

TOE LIN Navy

TOE LIN Air Force

TOE LIN Union (AALPS)

TOE LIN Fictitious

**TOE LIN
(INDEX)
NO**

T61494

CB0539

AF2955

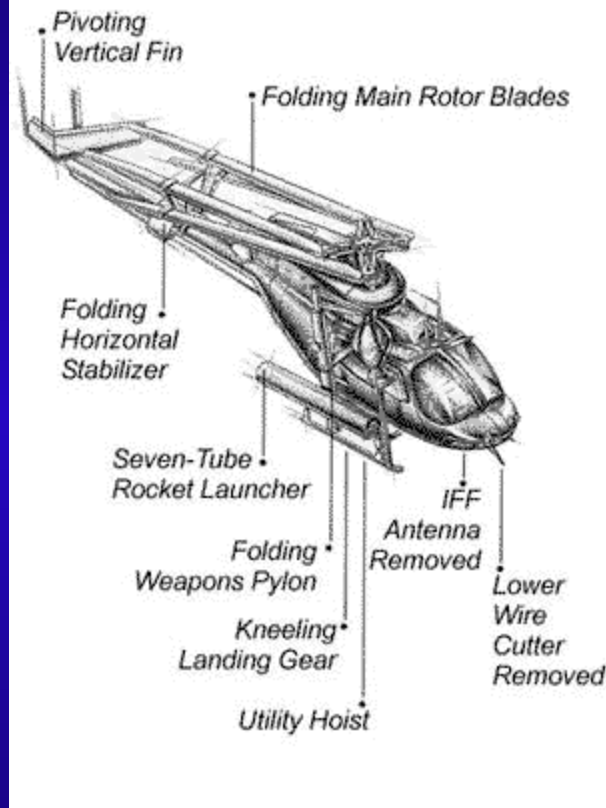
YU0285

YA0095

Bell OH-58D



KIOWA WARRIOR



**REDUCED CONFIGURATION FOR
TRANSPORTATION** (two fit into a C130)

Chapter 3

Column 1(Cont)

- Column 1 (Cont):

TOE LIN number
“PV” - Preferred
Model (generally
largest and most
current model) &
Validated Data (by
MVIC Validated Data)

TOE LIN (INDEX) NO	
A21633	
PV	01
PV	03
V	04
V	05

See LIN A21633 on p.3-5

Chapter 3

Column 1 (Cont)

- Column 1 (Cont):

Index No: Identifies different NSNs &/or shipping configuration

TOE LIN (INDEX) NO	
A21633	
PV	01
PV	03
V	04
V	05

See LIN A21633 on p.3-5

Chapter 3

Column 2

- Column 2:
- **NSN.** Identifies a specific equipment model within a LIN



See LIN A21633 on p.3-5

Ref: Para 3-1c, page 3-1

NATL STOCK NO. (SET) (TOE LIN)	C O M P
1520011255476	

Chapter 3

Column 2 (Cont)

- Column 2 (Cont):
- (SET) The TOE LIN in parentheses is the proper TOE LIN to be used for reporting a set

TOE LIN (INDEX) NO	NATL STOCK NO. (SET) (TOE LIN)	C O M P	V E H I C L E	T Y P E E Q U I P	LIN DESCRIPTION (MODEL) COMPO DESCRIPTION
R93035	(SET) Remarks		R		RADIO TERMINAL SET
V 03	5820011483976				AN/TRC-170V3
	(G42170)			U	AN/TRC-170V3
V 01	6115013199032		R	3	GEN SET DED TRL MTD
	(T07679)				PU-798
	230013469137		R	6	TRK UTIL. HVY HMMWV
V 36					M1097

Chapter 3

Column 3

- Column 3:
Component.
Alphabetic code
added to an NSN to
identify a
disassembled
component

Do not use the
modified NSN for
reporting purposes

See LIN A21633 on p.3-5

NATL STOCK NO. (SET) (TOE LIN)	C O M P
1520011255476	A



Landing Skids

Chapter 3

Column 4

- Column 4: Vehicle. Code indicates whether vehicle is roadable or non-roadable.
 - “N” = Nonroadable (not suitable for road marching)
 - “R” = Roadable (capable of road marching 40 mph)



V
E
H
I
C
L
E

N

R

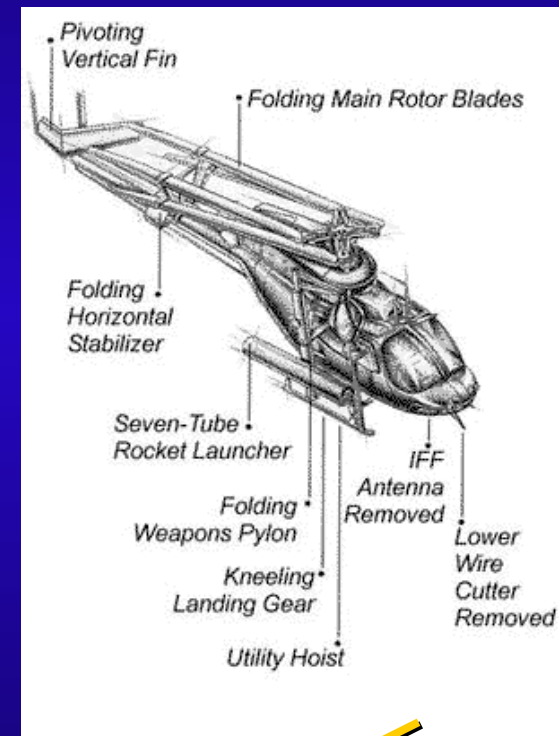
See LIN A21633 on p.3-5
and LIN FM0006 on p.3-104

Chapter 3

Column 5

- Column 5: Type Equipment. Numeric code used to differentiate between equipment types:

- "H" = Aircraft, rotary wing (operational)
- "K" = Aircraft, rotary wing (storage configuration)



TYPE
EQPT

H

K

See LIN A21633 on p.3-5

Chapter 3

Column 6

- Column 6:

LIN Description:
Generic
nomenclature
assigned a LIN

(functional
Model description)

Description:

< - - LIN DESCRIPTION - - >
< - - MODEL - - >
(- COMPO DESCRIPTION -)

AERIAL SCOUT HELICOPTER
OH-58D
OH-58D
LANDING SKIDS

See LIN A21633 on p.3-5

Chapter 3

Column 7

- Column 7: Shipping

42 different codes
Configuration:

“8” = Flyaway (see 3-5)

“F” = Reduced for C-130 Transport (see 3-5)

“B” = Operational (Mission configuration) (see 3-367)

“C” = Reduced to minimum shipping dimensions IAW the unit’s organic maintenance capability (for example, removing canvas tops, turning antennas and bows; securing antennas; etc) (see

See [LIN A21633](#) on p.3-5
and [LIN X40009](#) on p.3-367

S
H
I
P

C
O
N
F

8

F

B

C

Chapter 3

Column 8

- **Column 8: Number of Pieces:**
 - The data in this column indicates the number of identical disassembled components - as detailed in the 'component description' in Column 6
 - The dimensions given in column 9 relate to a single item

**NO.
PCS**

3

See LIN A21633 on p.3-5

Chapter 3 Column 9

(Con't)

- Column 9: Dimensions, Weight & Cube for one item as described by 'Model' or 'Component Description' & Shipping Configuration



Operational



Reduced

(FOR ONE ITEM)				
DIMENSIONS			WEIGHT	
CUBE			(LB)	(CU)
<-----INCHES----->				
FT)				
LENGTH	WIDTH	HEIGHT		
<-----REMARKS----->				
495	420	156	3427	
187	69			
408	74	106	3119	
185	2			

420 (Operational width)
74 (Reduced width)

See LIN A21633 on p.3-5

Chapter 3

Column 10

- Column 10: Cargo Vehicle Load Limits



**Offroad
rated
load
capacity
(Height
(Cargo deck
+ Height
Under Bows
(in inches)**

CGO VEH LD LIMITS WEIGHT		CUBE
HGT TOE		LIN
(INDEX NO)		
	5000	
11		
3		450

See LIN X40009 on p.3-367

Cubic capacity 'Under Bows' (in cubic feet)

Chapter 3

Column 11

- Column 11(Cont): Cargo Load

Indicator (left to right): C-130, C-141, C-17, C-5, KC-10, & KC-135

Indicator:

“C” (certified by the Air Force) or “X” (qualified for aircraft [will fit]) or blank (not transportable in specified aircraft)

See LIN T61494 on p.3-318

< C=AF CERTIFIED >

< X=JCS CRITERIA >

< CGO LOAD IND >

< AMC > < CRÄF >

CCCCCKK DDBB CTN CTN 4 CCCH

1 1 15CC CC 77 20 40 6

3 4 7 1 1 81 44 FT FT 3

0 1 0 3 0 77 L

5 SN

CCCCC CCC N N N

R2DA

Chapter 3 Column 11 (Cont)

- Column 11(Cont):
Cargo Load Indicator
CRAF (left to right):
DC-8, DC-10,
B-747S & B-747N

Indicator:

C or X or blank

See LIN T61494 on p.3-318

< C=AF CERTIFIED >

< X= JCS CRITERIA >

<AMC > <CRAF>

CCCCKK DDBB CTN CTN 4 CCCH

1115CC CC77 20 40 6
347 11 8144 FT FT 3
01 03 077

L 5 SN

CCCC -CCC N N N
R2DA

Chapter 3 Column 11

Column 11(Cont)

Cargo Load Indicator

CTN:

20-ft (containers)

Indicator:

Y = Fits

N = Not

Fit

See LIN T61494 on p.3-318

< C=AF CERTIFIED >

< X= JCS CRITERIA >

< - - - - CGO LOAD IND - - - -

< AMC > < C R A F >

CCGCKK DDBB CTN CTN 4 CCCH

1115CC CC77 20 40 6
347 11 8144 FT FT 3
01 03 077

L 5 SN

CCCC CC N N N

R2DA

Chapter 3 Column 11

• Column 11(Cont)(Cont)

Cargo Load Indicator

CTN:

40-ft (containers)

Indicator:

Y = Fits

N = Not

Fit

See LIN T61494 on p.3-318

< C=AF CERTIFIED >

< X= JCS CRITERIA >

< - - - - CGO LOAD IND - - - -

< AMC > < CRAFT >

CCCCCKK DDBB CTN CTN 4 CCCH

1115CC CC77 20 40 6

347 11 8144 FT FT 3
01 03 077

L 5 SN

CCCC CC N N N

R2DA

Chapter 3 Column 11 (Cont)

- Column 11(Cont):
Cargo Load Indicator

463L (pallet)
Indicator:

Y = Fits

N = Not

Fit

See LIN T61494 on p.3-318

< C=AF CERTIFIED >

< X= JCS CRITERIA >

< - - - - CGO LOAD IND - - - - >

< AMC > < C=AF >

CCGCKK DDDBB CTN CTN 4 CC

1115CC CC77 20 40 6

347 11 8144 FT FT 3

01 03 077

L5 SN

CCCC CC N N N

R2DA

Chapter 3 Column 11 (Cont)

- Column 11(Cont):
Cargo Load Indicator
- Cargo
Category
Codes

< C=AF CERTIFIED >

< X=JCS CRITERIA >

< - - - - - CGO LOAD IND - - - - - >

< AMC > < C=AF >

CCCCKK DDBB CTN CTN 4 CCCH

1115CC CC77 20 40 6

347 11 8144 FT FT 3

01 03 077

L 5 SN

CCC CCC N N N

R2DA

See LIN T61494 on p.3-318

Chapter 3 Column 11 (Cont)

- Column 11(Cont):
Cargo Load Indicator

- Cargo
Category
Codes
C(1). Type
Equipment

< C=AF CERTIFIED >

< X=JCS CRITERIA >

< - - - - - CGO LOAD IND - - - - - >

< AMC > < C=AF >

CCCCKK DDBB CTN CTN 4 CCCH

1115CC CC77 20 40 6

347 11 8144 FT FT 3

01 03 077

L 5 SN

CCC CCC N N N

R2DA

See LIN T61494 on p.3-318

Chapter 3 Column 11 (Cont)

- Column 11(Cont):
Cargo Load Indicator

- Cargo
Category

Codes
C(2): indicates
if item is air
transportable

See LIN T61494 on p.3-318

< C=AF CERTIFIED >									
< X=JCS CRITERIA >									
< --- CGO LOAD IND --- >									
< AMC > < CRAFT >									
CCCCKK		DDBB		CTN		CTN		4	CCCH
1115CC		CC77		20		40		6	
347		11		8144		FT		FT	3
01		03		077					
L		5		SN					
CCC		CCC		N		N		N	
R2DA									

Chapter 3 Column 11 (Cont)

- Column 11(Cont):
Cargo Load Indicator

- Cargo
Category
Codes

C(3): Can/Cannot
be containerized

< C=AF CERTIFIED >

< X=JCS CRITERIA >

< - - - - - CGO LOAD IND - - - - - >

< AMC > < C R A F >

CCCCKK DDBB CTN CTN 4 CCCH

1115CC CC77 20 40 6

347 11 8144 FT IT 3

01 03 077

L 5 SN

CCC CCC N N N

R2DA

See LIN T61494 on p.3-318

Chapter 3 Column 11 (Cont)

- Column 11(Cont):
Cargo Load Indicator

- Cargo
Category
Codes

H: Weight and
dimensions
(<35' or >35')

See LIN T61494 on p.3-318

< C=AF CERTIFIED >

< X=JCS CRITERIA >

< - - - - - CGO LOAD IND - - - - - >

< AMC > < C=AF >

CCCCKK DDBB CTN CTN 4 CCCH

1115CC CC77 20 40 6

347 11 8144 FT FT 3

01 03 077

L 5 SN

CCC CCC N N N

R2DA


Chapter 3

Column 11 (Cont)

- What did our CCCH code of “R2DA” mean?
 - First: wheeled vehicle, roadable
 - Second: oversized exceeding 463L pallet size
 - Third: cannot be containerized (too wide)
 - Fourth: under 5 tons - smaller than 35' in any dimension


Appendix A - Cross Reference

- Appendix A:
 - Cross-reference NSN to TOE LIN
- First column is NSN - listed in ascending sequence
- Second Column is corresponding TOE LIN

NSN	TOE LIN
2320010907797	CB07
2320010907828	X616
2320010907831	X420
	

Appendix A - Cross Reference (Cont)

- Two listings for NSN 2320011077155
- First is CB0360
 - What does this TOE LIN tell you?
 - Navy vehicle
- Next TOE LIN is the Army vehicle (M998)

NSN	TOE LIN
2320010907797	CB07
2320010907828	X616
2320010907831	X420
	
2320011016752	CB06
2320011077153	T0509
2320011077155	CB03
2320011077155	T6149
2320011077156	T6150

Appendix B - Cross Reference

- Appendix B:
- Cross-reference equipment model designation to TOE LIN
- Contains more information than Appendix A
 - Provides item description, the shipping configuration, the cargo group code, the length and width, and the empty and loaded height and weight

Appendix B - Cross Reference (Cont)

MODEL	DESCRIPTION	LIN -
M983 WWN	TRUCK TRACTOR TACT8X8	T8867
M983 WWN	TRUCK TRACTOR TACT8X8	T8867
M983/M901	TRK TRAC/LCHR STA GM	YA022
M997A1	TRK AMB 4 LITTER 4X4	T388
M998	TRK UTIL CRG/TRP CARR	T6149
M998	TRK UTIL CRG/TRP CARR	T6149
M998	TRK UTIL CRG/TRP CARR	T6149

See pg B-63

UMD

Reporting Procedures

- TB 55-46-1, equipment characteristics data listings are designed to facilitate preparation of UMD reports
- Data reflects specified shipping configurations
Use only for planning purposes
- FORSCOM Reg 55-2 requires use of TC-ACCIS for reporting UMD to FORSCOM

UMD Reporting Procedures (Cont)

- Use of LIN & INDEX NO: When combined & properly reported, the computer (TC-ACCIS or TC-AIMS II) generates data listed to the right of the INDEX NO
- Errors in reporting either data element will result in the computer generating erroneous (BAD) data

Summary

Chapter 1 - Purpose, Definitions, Data Specifications

Chapter 2 - Tables for Cargo Deck Dimensions

Chapter 3 - Equipment Characteristics (items are listed by TOE LIN)

Appendix A - National Stock Number to TOE LIN

Appendix B - Model designation to TOE LIN



On Learnin g

QUESTION 1

What is the model designation of NSN 5420008892020?



LCHR BRIDGE
TANK MTD (Bridge
Launcher on M60
chassis), pp.A-15
and 3-155

QUESTION 2

What is the model designation of NSN
00000000000000/LIN FM0003?



Dodge Ram
(15 seater disaster relief item), p.3-103

QUESTION 3

What is the LIN/INDEX Number for an operational M548A3 Cargo Carrier?



D111049 17
p.B-47

QUESTION 4

Will a M1075 towing a M1076 Trailer (PLS) fit in a C-17?

Yes
pp.B-26 and 3-493



QUESTION 5

What is the LIN/INDEX Number for a 'Kitchen Field'?
(hint look in Appendix B under a model designator of
'None')



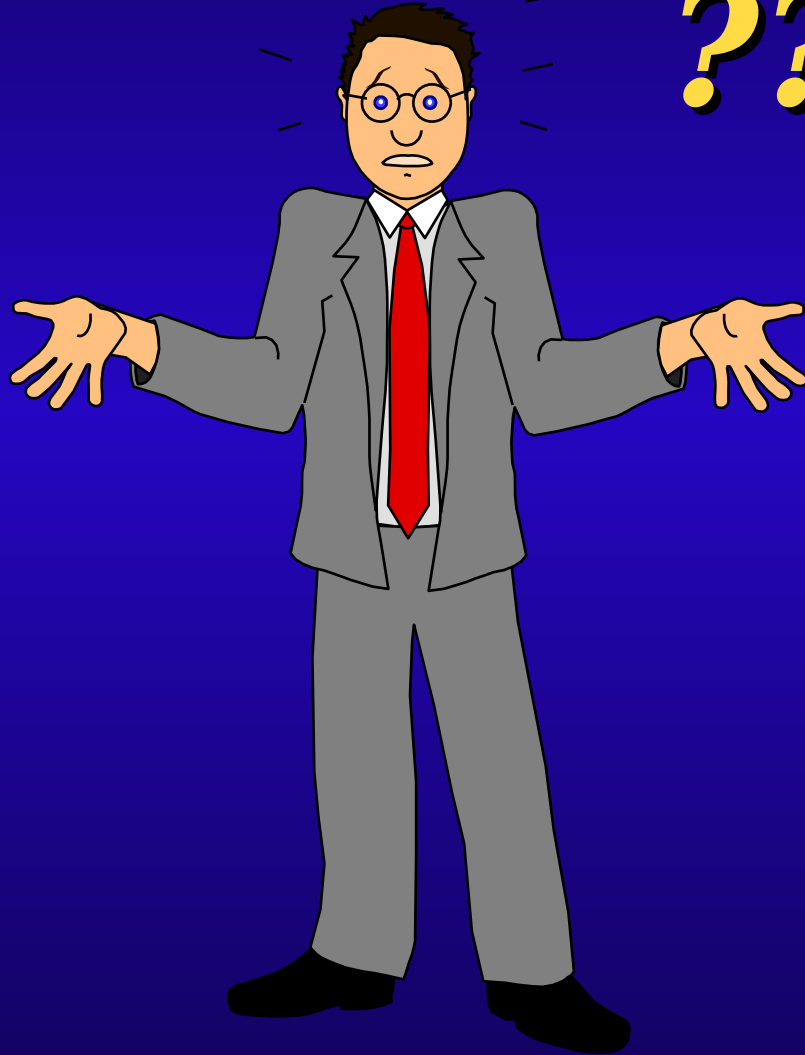
CB5496 01
p.B-69

A wooden-framed chalkboard with a black surface. The text "Let's Review" is written in a bold, yellow, sans-serif font, centered on the board. The frame is made of light brown wood with a visible grain. The background is a solid blue color.

Let's
Review

QUESTIONS

???





PRACTICAL EXERCISE



Practical Exercise Tips

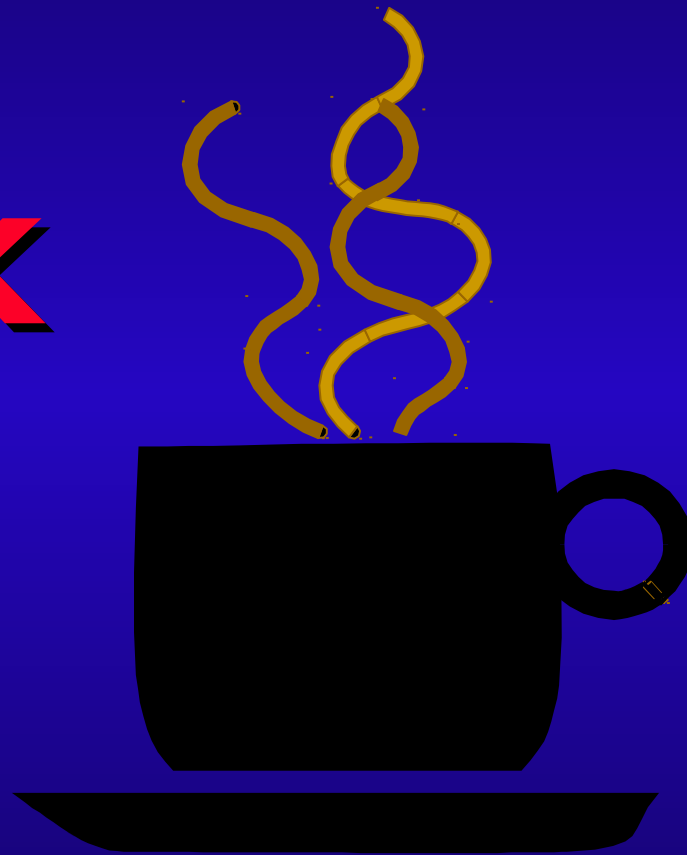
- You will be given one of three pieces of information

- 13 digit number - it is a NSN - use Appendix A (NSNs listed numerically) to find the LIN and then refer back to Chap 3
 - 6 alphanumeric characters - most likely a LIN - look it up in Chapter 3 (LINs listed alphanumerically)
 - Variable number (other than six) of alphanumeric characters - most likely a Model Designation - look it up in Appendix B (models listed alphanumerically) - refer back to Chap 3 using the LIN for this model to find additional information (if required)
- Cargo Deck Dimensions ₁₁₀ refer to the tables in

What's Coming

U M O D P C

Break



10 mins